

	Type	Hits	Search Text	DBs	Time Stamp
1	BRS	79813	((light near emit\$4) or LED) and heat	USPAT; JPO	2002/08/02 14:50
2	BRS	1313	((light near emit\$4) or LED) and second near heat	USPAT; JPO	2002/07/30 16:30
3	BRS	1453	((light near emit\$4) or LED) and (dual or double) with heat	USPAT; JPO	2002/08/02 23:54
4	BRS	58	((light near emit\$4) or LED) and (dual or double) near heat	USPAT; JPO	2002/07/30 16:31
5	BRS	39	257/\$.ccls. and ((light near emit\$4) or LED) and (dual or double) with heat	USPAT; JPO	2002/07/30 16:51
6	BRS	472	(semiconductor or die or chip or IC) and ((light near emit\$4) or LED) and (dual or double) with heat	USPAT; JPO	2002/07/31 11:00
7	BRS	40	(semiconductor or die or chip or IC) and ((light near emit\$4) or LED) same (dual or double) with heat	USPAT; JPO	2002/07/31 11:18
8	BRS	150	((light near emit\$4) or LED) same (dual or double) with heat	USPAT; JPO	2002/07/31 12:05
9	BRS	79	((light near emit\$4) or LED or diode) same (dual or double) with heat near (sink)	USPAT; JPO	2002/07/31 12:24
10	BRS	1	"3683296".PN.	USPAT	2002/07/31 12:0
11	BRS	1	"4057101".PN.	USPAT	2002/07/31 12:0
12	BRS	1	"4092614".PN.	USPAT	2002/07/31 12:0
13	BRS	1	"4219072".PN.	USPAT	2002/07/31 12:0
14	BRS	1	"4228406".PN.	USPAT	2002/07/31 12:1
15	BRS	1	"4233567".PN.	USPAT	2002/07/31 12:1
16	BRS	1	"4315225".PN.	USPAT	2002/07/31 12:1
17	BRS	1	"4393393".PN.	USPAT	2002/07/31 12:1
18	BRS	1	"4415234".PN.	USPAT	2002/07/31 12:1
19	BRS	1	"4454602".PN.	USPAT	2002/07/31 12:1
20	BRS	1	"4573067".PN.	USPAT	2002/07/31 12:1
21	BRS	1	"4673030".PN.	USPAT	2002/07/31 12:1

	Type	Hits	Search Text	DBs	Time Stamp
22	BRS	1	"4709750".PN.	USPAT	2002/07/31 12:1
23	BRS	1	"4852109".PN.	USPAT	2002/07/31 12:1
24	BRS	1	"4881233".PN.	USPAT	2002/07/31 12:1
25	BRS	1	"4963741".PN.	USPAT	2002/07/31 12:1
26	BRS	1	"5005640".PN.	USPAT	2002/07/31 12:1
27	BRS	1	"5076348".PN.	USPAT	2002/07/31 12:1
28	BRS	1	"5105429".PN.	USPAT	2002/07/31 12:1
29	BRS	1	"5220954".PN.	USPAT	2002/07/31 12:1
30	BRS	1	"5253260".PN.	USPAT	2002/07/31 12:1
31	BRS	1	"5265113".PN.	USPAT	2002/07/31 12:1
32	BRS	1	"5315154".PN.	USPAT	2002/07/31 12:1
33	BRS	1	"5394427".PN.	USPAT	2002/07/31 12:1
34	BRS	1	"5520244".PN.	USPAT	2002/07/31 12:1
35	BRS	1	"5734672".PN.	USPAT	2002/07/31 12:1
36	BRS	59	((light near emit\$4) or LED or diode) same (dual or double) with heat near (exchanger or transfer or spreader or stiffener or dissipat\$3)	USPAT; JPO	2002/07/31 12:31
37	BRS	417	((light near emit\$4) or LED or diode) same (second) with heat near (exchanger or transfer or spreader or stiffener or dissipat\$3)	USPAT; JPO	2002/07/31 12:32
38	BRS	627	((light near emit\$4) or LED or diode) same (two or second) with heat near (exchanger or transfer or spreader or stiffener or dissipat\$3)	USPAT; JPO	2002/07/31 13:18
39	BRS	3	"4566027"	USPAT; JPO	2002/07/31 13:1
40	BRS	368	((light near emit\$4) or LED or diode) same (second) with heat near (exchanger or transfer or spreader or stiffener or dissipat\$3)	USPAT; JPO	2002/07/31 21:48

	Type	Hits	Search Text	DBs	Time Stamp
41	BRS	1100	(semiconductor or die or chip or IC) and (laser or diode) and (dual or double) with heat	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/08/01 20:10
42	BRS	203	(semiconductor or die or chip or IC) and (laser or diode) and (dual or double) with heat near (sink or plate or spreader)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/08/01 20:59
43	BRS	123	(semiconductor or die or chip or IC) and (laser or diode) and (dual or double) with heat near (transfer or exchanger or dissipator or stiffener)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/08/01 21:17
44	BRS	1	"5734672".PN.	USPAT	2002/08/01 21:0
45	BRS	69	257/\$.ccls. and (laser or diode or light near emitting or LED) and (double or two or dual) near heat near (transfer or exchanger or dissipator or stiffener or sink or spreader or slug or plate)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/08/01 21:44
46	BRS	1	"4091408" and (laser or diode or light near emitting or LED) and (double or two or dual) near heat near (transfer or exchanger or dissipator or stiffener or sink or spreader or slug or plate)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/08/01 21:44
47	BRS	0	"3862003" and (laser or diode or light near emitting or LED) and (double or two or dual) near heat near (transfer or exchanger or dissipator or stiffener or sink or spreader or slug or plate)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/08/01 21:45

	Type	Hits	Search Text	DBs	Time Stamp
48	BRS	1	"3867003" and (laser or diode or light near emitting or LED) and (double or two or dual) near heat near (transfer or exchanger or dissipator or stiffener or sink or spreader or slug or plate)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/08/01 21:45
49	BRS	2411	257/\$.ccls. and (laser or diode or light near emitting or LED) and heat near (transfer or exchanger or dissipator or stiffener or sink or spreader or slug or plate)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/08/01 21:47
50	BRS	2227	257/\$.ccls. and (laser or diode or light near emitting or LED) and heat near (transfer or exchanger or dissipator or stiffener or sink or spreader or slug or plate)	USPAT; JPO	2002/08/01 21:48
51	BRS	2069	257/\$.ccls. and (laser or diode or light near emitting or LED) and heat near (transfer or exchanger or dissipator or stiffener or sink or spreader or slug or plate)	USPAT	2002/08/01 21:50
52	BRS	1266	257/\$.ccls. and (laser or diode or light near emitting or LED) and heat near (transfer or exchanger or dissipator or stiffener or sink or spreader or slug or plate) and lead	USPAT	2002/08/02 16:10
53	BRS	0	"6256200" and ((light near emit\$4) or LED) and heat	USPAT; JPO	2002/08/02 14:52
54	BRS	1	"6256200" and ((light near emit\$4) or LED or laser or diode) and heat	USPAT; JPO	2002/08/02 14:53

	Type	Hits	Search Text	DBs	Time Stamp
55	BRS	2	"4566027" and (laser or diode or light near emitting or LED) and heat near (transfer or exchanger or dissipator or stiffener or sink or spreader or slug or plate) and lead	USPAT	2002/08/02 17:16
56	BRS	0	(laser or diode or light near emitting or LED) and heat near (transfer or exchanger or dissipator or stiffener or sink or spreader or slug or plate) and lead near "35" adj microns	USPAT	2002/08/02 17:17
57	BRS	0	(laser or diode or light near emitting or LED) and heat near (transfer or exchanger or dissipator or stiffener or sink or spreader or slug or plate) and lead near "30" adj microns	USPAT	2002/08/02 17:18
58	BRS	0	(laser or diode or light near emitting or LED) and heat near (transfer or exchanger or dissipator or stiffener or sink or spreader or slug or plate) and lead near "25" adj microns	USPAT	2002/08/02 17:18
59	BRS	0	(laser or diode or light near emitting or LED) and heat near (transfer or exchanger or dissipator or stiffener or sink or spreader or slug or plate) and lead near "20" adj microns	USPAT	2002/08/02 17:19
60	BRS	0	(laser or diode or light near emitting or LED) and heat near (transfer or exchanger or dissipator or stiffener or sink or spreader or slug or plate) and lead near "15" adj microns	USPAT	2002/08/02 17:19 : :

	Type	Hits	Search Text	DBs	Time Stamp
61	BRS	8	(laser or diode or light near emitting or LED) and heat near (transfer or exchanger or dissipator or stiffener or sink or spreader or slug or plate) and lead near microns	USPAT	2002/08/02 17:24
62	BRS	139	(laser or diode or light near emitting or LED) and heat near (transfer or exchanger or dissipator or stiffener or sink or spreader or slug or plate) and lead with microns	USPAT	2002/08/02 18:18
63	BRS	8	(laser or diode or light near emitting or LED) and heat near (transfer or exchanger or dissipator or stiffener or sink or spreader or slug or plate) and lead near microns	USPAT	2002/08/02 17:57
64	BRS	58	(laser or diode or light near emitting or LED) and lead near microns	USPAT	2002/08/02 18:06
65	BRS	57181	257/\$.ccls. lead near microns	USPAT	2002/08/02 18:04
66	BRS	57069	257/\$.ccls. heat near sink and lead near microns	USPAT	2002/08/02 18:05
67	BRS	57065	257/\$.ccls. heat near sink and lead near wire near microns	USPAT	2002/08/02 18:05
68	BRS	0	257/\$.ccls. and heat near sink and lead near wire near microns	USPAT	2002/08/02 18:05
69	BRS	2	257/\$.ccls. and heat near sink and wire near microns	USPAT	2002/08/02 18:06

	Type	Hits	Search Text	DBs	Time Stamp
70	BRS	9	(laser or diode or light near emitting or LED) and heat near (transfer or exchanger or dissipator or stiffener or sink or spreader or slug or plate) and wire near microns	USPAT	2002/08/02 18:07
71	BRS	33	(laser or diode or light near emitting or LED) and wire near microns	USPAT	2002/08/02 18:08
72	BRS	1	"5544269" and (laser or diode or light near emitting or LED) and heat near (transfer or exchanger or dissipator or stiffener or sink or spreader or slug or plate) and (lead or wire)	USPAT	2002/08/02 18:19
73	BRS	1	"5544269" and (laser or diode or light near emitting or LED) and heat near (transfer or exchanger or dissipator or stiffener or sink or spreader or slug or plate)	USPAT	2002/08/02 18:19
74	BRS	3	"5544269"	USPAT	2002/08/02 18:3
75	BRS	0	257/\$.ccls. and diameter near lead near wire near microns	USPAT	2002/08/02 18:32
76	BRS	1	diameter near lead near wire near microns	USPAT	2002/08/02 18:47
77	BRS	0	diameter with lead near wire near microns	USPAT	2002/08/02 18:32
78	BRS	25	diameter with lead near wire with microns	USPAT	2002/08/02 18:33
79	BRS	4	light near emitting and diameter with lead near wire with microns	USPAT	2002/08/02 18:39
80	BRS	17	light near emitting and diameter with lead near wire with (microns or nm or mm)	USPAT	2002/08/02 18:42

	Type	Hits	Search Text	DBs	Time Stamp
81	BRS	25	diameter with lead near wire with (microns)	USPAT	2002/08/02 18:47
82	BRS	61	diameter near wire near microns	USPAT	2002/08/02 19:27
83	BRS	3	"5544269"	USPAT	2002/08/02 19:2
84	BRS	1	"4079404".PN.	USPAT	2002/08/02 19:2
85	BRS	1	"4466696".PN.	USPAT	2002/08/02 19:2
86	BRS	1	"4756591".PN.	USPAT	2002/08/02 19:2
87	BRS	1	"4767174".PN.	USPAT	2002/08/02 19:2
88	BRS	1	"4900118".PN.	USPAT	2002/08/02 19:2
89	BRS	1	"5243671".PN.	USPAT	2002/08/02 19:2
90	BRS	1	"5414787".PN.	USPAT	2002/08/02 19:2
91	BRS	1905	385/88	USPAT	2002/08/02 19:3
92	BRS	176	385/88 and heat near sink	USPAT	2002/08/02 20:0
93	BRS	0	385/88 and double near heat near sink	USPAT	2002/08/02 19:55
94	BRS	0	385/88 and (double or dual or two) near heat near sink	USPAT	2002/08/02 19:55
95	BRS	525	385/\$.ccls. and heat near sink	USPAT	2002/08/02 20:08
96	BRS	2	385/\$.ccls. and (double or dual or two) near heat near sink	USPAT	2002/08/02 20:09
97	BRS	22	"4605942"	USPAT	2002/08/02 20:0
98	BRS	0	(light near emitting) with electrode near (gold or Au) near nm	USPAT	2002/08/02 23:40
99	BRS	0	(light near emitting) with electrode with (gold or Au) near nm	USPAT	2002/08/02 22:30
100	BRS	1	(light near emitting) same electrode with (gold or Au) near nm	USPAT	2002/08/02 22:31
101	BRS	3	((light near emitt\$3) or LED) same electrode with (gold or Au) near nm	USPAT	2002/08/02 22:38
102	BRS	3	"5544269"	USPAT	2002/08/02 22:3
103	BRS	3	"5544269" and laser	USPAT	2002/08/02 23:3
104	BRS	2	5544269.pn. or 59208788.pn.	USPAT; JPO	2002/08/02 23:31

	Type	Hits	Search Text	DBs	Time Stamp
105	BRS	13	5544269.pn. or 59208788.pn. or 59211252.pn. or 6299056.pn. or 6256200.pn. or 4091408.pn. or 4566027.pn. or 61067971.pn. or 6307871.pn. or 5834842.pn. or 5516886.pn. or 2867002.pn.	USPAT; JPO	2002/08/02 23:34
106	BRS	0	(257/706 or 257/433) and (light near emitting) with electrode near (gold or Au) near nm	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/08/02 23:41
107	BRS	6	(257/706 or 257/433) and ((light near emit\$4) or LED) and (dual or double) with heat	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/08/02 23:54
108	BRS	6	(257/706 or 257/433) and ((light near emit\$4) or LED) and (dual or double) with heat	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/08/02 23:54
109	BRS	1063	372/36	USPAT	2003/11/06 14:5
110	BRS	23679 1	372/36 and laser "light emitting"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/06 14:54
111	BRS	1267	372/36 and (laser or "light emitting")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/06 14:55
112	BRS	790	(372/36 and (laser or "light emitting")) and (laser or "light emitting") with heat	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/06 14:56

	Type	Hits	Search Text	DBs	Time Stamp
113	BRS	28	((372/36 and (laser or "light emitting")) and (laser or "light emitting") with heat) and (laser or "light emitting") and heat with (double or dual)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/06 22:18
114	BRS	50	((372/36 and (laser or "light emitting")) and (laser or "light emitting") with heat) and (laser or "light emitting") and heat with (double or dual or both near sides)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/06 21:11
115	BRS	17	((372/36 and (laser or "light emitting")) and (laser or "light emitting") with heat) and (laser or "light emitting") and heat with (double or dual or both near sides) and adhesive	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/06 21:22
116	BRS	374	(laser or "light emitting") and heat with (double or dual or both near sides) and adhesive with heat	USPAT; JPO	2003/11/06 21:35
117	BRS	815	(laser or "light emitting") and heat with (double or dual or both near sides) and adhesive	USPAT; JPO	2003/11/06 21:36
118	BRS	441	((laser or "light emitting") and heat with (double or dual or both near sides) and adhesive) not ((laser or "light emitting") and heat with (double or dual or both near sides) and adhesive with heat)	USPAT; JPO	2003/11/06 22:07
119	BRS	2	5454002.pn. or 5578869.pn	USPAT	2003/11/06 22:0

	Type	Hits	Search Text	DBs	Time Stamp
120	BRS	27	(438/122 or 257/707 or 257/712) and (laser or "light emitting") and heat with (double or dual)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/06 22:19
121	BRS	19	(257/713 or 257/714 or 257/715) and (laser or "light emitting") and heat with (double or dual)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/06 22:20
122	BRS	9	(257/716 or 257/717 or 257/718) and (laser or "light emitting") and heat with (double or dual)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/06 22:20
123	BRS	13	(257/719 or 257/720 or 257/721) and (laser or "light emitting") and heat with (double or dual)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/06 22:21